

California Regional Water Quality Control Board
North Coast Region

Order No. R1-2004-0002
WDID. No. 1B92025RSON

RECISION OF WASTE DISCHARGE REQUIREMENTS
AND MONITORING AND REPORTING PROGRAM
ORDER NO. 92-139

FOR

SONOMA COUNTY WATER AGENCY
MIRABEL PUMPING PLANT
(PETROLEUM HYDROCARBON CLEANUP ACTION)

Sonoma County

The North Coast Regional Water Quality Control Board (hereinafter Regional Water Board) finds that:

1. On December 10, 1992, the Regional Water Board adopted Waste Discharge Requirements and Monitoring and Reporting Program Order No. 92-139 for the Sonoma County Water Agency for the Mirabel Pumping Plant site located in Forestville, Sonoma County.
2. Waste Discharge Requirements Order No. 92-139 regulates the cleanup of petroleum hydrocarbons in soil and groundwater. The contamination was caused by a leak of hydraulic oil from underground piping located between a water diversion caisson and a concrete intake structure at the Mirabel Road diversion/pumping plant.
3. Groundwater was captured by an extraction well located downgradient of the area of the hydraulic oil release. After extraction the water was pumped to a 1,200 gallon baffled concrete bio-reactor where it was held for approximately seven hours. The extracted water was then aerated and amended with nutrients and petroleum hydrocarbon degrading bacteria cultures. Upon treatment the water was directed to a 55-gallon aboveground tank which gravity fed the water to an infiltration well located in the backfill of the excavation area. The in-situ treatment system operated for approximately one year.
4. Groundwater samples collected from the extraction well were analyzed for Petroleum hydrocarbons as hydraulic oil, Benzene, Toluene, Ethylbenzene and Xylenes. All sample results were reported below laboratory detection limits.
5. Approximately 150 cubic yards of excavated soil from the release area was stockpiled on-site. Between August 1992 and June 1996 the stockpiled soil was remediated through aeration and enhanced bio-remediation. In October 1996 the treated soils were transported to the Sonoma County Central Landfill. Sampling of native soil beneath the former stockpiled area revealed a maximum concentration of 10 mg/kg petroleum hydrocarbons as hydraulic oil.

6. In 1997 a large flood significantly altered the ground surface of the area where the stockpiled soil had previously been located. After 1997, the Sonoma County Water Agency constructed a percolation pond in this same area. The percolation pond has been used since that time to supply water to the intake laterals of a Ranney Collector Well.
7. This action to rescind Waste Discharge Requirements is not subject to the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.), pursuant to Title 14, California Code of Regulations, Sections 15060(c)(2) and 15061(b).
8. The Regional Water Board has notified the responsible parties and interested persons of its intent to rescind Waste Discharge Requirements and Monitoring and Reporting Program Order No. 92-139 and has provided them with an opportunity to submit comments and recommendations.
9. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to this matter.

THEREFORE, IT IS HEREBY ORDERED that Waste Discharge Requirements and Monitoring and Reporting Program Order No. 92-139 for the Sonoma County Water Agency, Mirabel Pumping Plant (Petroleum Hydrocarbon Cleanup Action), Forestville, Sonoma County are rescinded.

Certification

I, Catherine E. Kuhlman, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on February 11, 2004.

Catherine E. Kuhlman
Executive Officer